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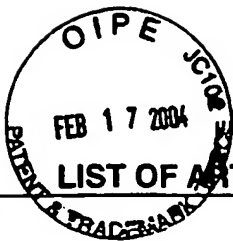
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ATTY. DOCKET: 17500 (BOT)	SERIAL NO.: 10/143,078
APPLICANT: STEPHEN DONOVAN	TITLE: THERAPEUTIC TREATMENTS FOR NEUROPSYCHIATRIC DISORDERS
FILING DATE: May 10, 2002	GROUP: 1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/n)
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(Including Author, Title, Date, Pertinent Pages, etc.)

188	CA	Bolay, H., et al., "Intrinsic brain activity triggers trigeminal meningeal afferents in a migraine model" <i>Nature Medicine</i> , Vol 8, No. 2, February 2002, pp 136-142
	CB	
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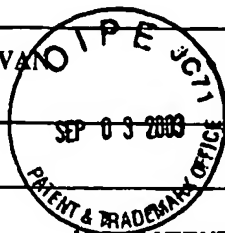
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128	BA	DE10150415A1	5/2003	Germany			Yes First and last page
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128	CA	Cereda, E., et al., Medicinal chemistry of muscarinic agonists for the treatment of dementia disorders; <i>Eur J Drug Metab Pharmacokinet</i> , 1994;(3): 179-183
	CB	Duggan, Michael J. et al., A survey of botulinum neurotoxin substrate expression in cells; <i>Moving Disorders</i> ; 1995, May;10(3):376
	CC	Sramka, M., et al., Long-term results in patients with stereotaxic surgery for psychopathological disorders, <i>Bratisl. Lek. Listy</i> , 93, 1992:7; pgs. 364-366
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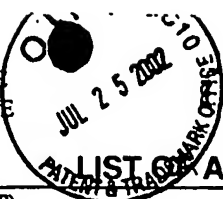
✓	CA	Cosgrove, G. Rees, et al., <i>Cingulotomy in Psychosurgery</i> , Chpt. 203, pp. 1965-1979; Stereotactic and Functional Neurosurgery, 1998, P. L. Gildenberg, Ed., McGraw-Hill Pub.
	CB	Hussain, E.S., et al., <i>A cohort study of psychosurgery cases from a defined population</i> , J. Neurol Neurosurg Psychiatry, 1988 Mar;51(3):345-52
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	CF	Yoshimura, D.M., et al., <i>Treatment of Hemifacial Spasm with Botulinum Toxin</i> , Muscle Nerve 1992;15(9): 1045-9
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	AA	5,989,545	11/23/99	Foster, et al.			
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	AC	6,306,423 B1	10/23/01	Donovan, et al.			
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	CB	Bellezza, D., et al., <i>Stereotactic Interstitial Brachytherapy</i> , Text book of stereotactic and functional neurosurgery, McGraw-Hill, 1998, Chp. 66, pgs. 577-580
	CC	Bigalke, H., et al., <i>Tetanus Toxin and botulinum a toxin inhibit release and uptake of various transmitters, as studied with particulate preparations from rat brain and spinal cord</i> , Naunyn-Schmiedeberg's Arch Pharmacol (1981) 316:244-251
	CD	Bigalke, H., et al., <i>Botulinum A neurotoxin inhibits non-cholinergic synaptic transmission in mouse spinal cord neurons in culture</i> , Brain Research, 360 (1985) 318-324
	CE	Brem, H., et al., <i>The safety of interstitial chemotherapy with BCNU-loaded polymer follwed by radiation therapy in the treatment of newly diagnosed malignant gliomas: phase I trial</i> , J. of Neuro-Oncology 26:111-123, 1995
	CF	Brem, H., et al., <i>Placebo-controlled trial of saety and efficacy of intraoperative controlled delivery by biodegradable polymers of chemotherapy for recurrent gliomas</i> , The Lancet, Vol. 345, April 22, 1995, pgs. 1008-1012
	CG	Burr Leiva, Daniel, <i>The neurochemistry of mania: a hypothesis of etiology and a rationale for treatment</i> , Prog. Neuro-Psychopharmacol & Biol. Psychiat. 1990, Vol. 14, pp 423-429

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FILING DATE: May 10, 2002	GROUP: 1614 <i>1645</i>

<i>BO</i>	CH	Cereda, E., et al., <i>Medicinal chemistry of muscarinic agonists for the treatment of dementia disorders</i> , Eur J. Drug Metab Pharmacokinet 1994, Jul-Sep; 19(3): 179-83
	CI	Clarke, P., et al., <i>Innervation of substantia nigra neurons by cholinergic afferents from pedunculopontine nucleus in the rat: neuroanatomical and electrophysiological evidence</i> , Neuroscience Vol. 23, No. 3, pp 1011-1019, 1987
	CJ	Cummings, J. L., et al., <i>Alzheimer's disease: cognitive and behavioral pharmacotherapy</i> , Connecticut Medicine, Sept 1997, Vol. 61, No. 9, pp. 543-552
	CK	Fung, L.K., et al., <i>Pharmacokinetics of Interstitial Delivery of Carmustine, 4-hydroperoxycyclophosphamide, and paclitaxel from a biodegradable polymer implant in the monkey brain</i> , Cancer Research, 58, 672-684, Feb 15, 1998,
	CL	Garcia-Rill, E., et al., <i>Mesopontine neurons in schizophrenia</i> , Neuroscience Vol. 66, No. 2, pp 321-335, 1995
	CM	Gaspar, L.E., et al., <i>Permanent Iodine implants for recurrent malignant gliomas</i> , Int. J. Radiation Oncology Biol. Phys., Vol. 43, No. 5, pp 977-982, 1999
	CN	German, D.C., et al., <i>Mesopontine cholinergic and non-cholinergic neurons in schizophrenia</i> , Neuroscience, Vol. 94, No. 1, pp. 33-38, 1999
	CO	Gonelle-Gispert, C., et al., <i>SNAP-25a and -25b isoforms are both expressed in insulin-secreting cells and can function in insulin secretion</i> , Biochem. J. (1999) 339; pp. 159-165
	CP	Habermann, E., et al., <i>Tetanus toxin and botulinum A and C neurotoxins inhibit noradrenaline release from cultured mouse brain</i> , J. Neurochemistry, 1988, pp. 522-527
	CQ	Habermann, E., <i>I-Labeled Neurotoxin from Clostridium botulinum A: preparation, binding to synaptosomes and ascent to the spinal cord</i> , Naunyn-Schmiedeberg's Arch. Pharmacol. 281, 47-56 (1974)
	CR	Habermann, E., <i>Inhibition by tetanus and botulinum A toxin of the release of [³H]noradrenaline and [³H]GABA from rat brain homogenate</i> , Experientia 44 (1988) pp 224-226
	CS	Harrison's Principles of Internal Medicine, 1988, 14 th Edition, McGraw-Hill, Table 365-8
	CT	Jankovic, J., et al., <i>Therapy with Botulinum Toxin</i> , Marcel Dekker, Inc. 1994, pg. 150.
	CU	Jankovic, J., et al., <i>Therapy with Botulinum Toxin</i> , Marcel Dekker, Inc. 1994, pg. 5.
<i>✓</i>	CV	Levy, M.L., et al., <i>Neuropsychiatric Symptoms and Cholinergic Therapy for Alzheimer's Disease</i> , Gerontology, 1999;45(suppl 1) 15-22

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DATE CONSIDERED *3/2004*

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LIST OF CITATIONS CITED BY APPLICANT

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APPLICANT: STEPHEN DONOVAN	TITLE: THERAPEUTIC TREATMENTS FOR NEUROPSYCHIATRIC DISORDERS
FILING DATE: May 10, 2002	GROUP: 1614 1645

✓	CW	Marjama-Lyons, J., et al., <i>Tremor-Predominant Parkinson's Disease</i> , Drugs & Aging 2000 Apr; 16(4); 273-278
	CX	Marchese Ragona, R., et al. <i>Management of Parotid Sialoceles with Botulinum Toxin</i> , The Laryngoscope 109, Aug 1999, pp. 1344-1346
	CY	Meltzer, H., et al., <i>The dopamine hypothesis of schizophrenia: a review</i> , Schizophrenia Bulletin, Vol. 2, No. 1, 1976, pp. 19-76
	CZ	Moyer, E., et al., <i>Botulinum Toxin Type B: Experimental and Clinical Experience</i> , Therapy with Botulinum Toxin (1994), Chp. 6, pp71-85
	CAA	<i>Movement Disorders</i> , Vol. 10, No. 3, 1995:376
	CBB	Naumann, M., et al., <i>Botulinum toxin type a in the treatment of focal, axillary and palmar hyperhidrosis and other hyperhidrotic conditions</i> , European Journal of Neurology 1999, 6 (suppl 4) S111-S115
	CCC	Nowinski, W.L., et al., <i>Computer-Aided stereotactic functional neurosurgery enhanced by the use of the multiple brain atlas database</i> , IEEE Transactions on Medical Imaging, Vol. 19, No. 1, Jan 2000, pp. 62-69.
	CDD	Pahapill, P., et al., <i>Tremor arrest with thalamic microinjections of muscimol in patients with essential tremor</i> , Ann Neurol 1999;46:249-252
	CEE	Pearce, L.B., et al., <i>Pharmacologic characterization of botulinum toxin for basic science and medicine</i> , Toxicon 1997;35(9):1373-412
	CFF	Sanchez-Prieto, J., et al., <i>Botulinum toxin A blocks glutamate exocytosis from guinea-pig cerebral cortical synaptosomes</i> , Eur J. Biochem 1987 Jun; 165(3):675-81
	CGG	Sarter, M., et al., <i>Basal forebrain afferent projections modulating cortical acetylcholine, attention, and implications for neuropsychiatric disorders</i> , ANN NY Acad Sci 1999; 877:368-82
	CHH	Schantz, E.J., et al., <i>Properties and use of botulinum toxin and other microbial neurotoxins in medicine</i> , Microbiological Reviews Mar 1992; Vol. 56, No 1; p. 80-99.
	CII	Scharfen, C.O., et al., <i>High activity iodine-125 interstitial implant for gliomas</i> , Int. J. Radiation Oncology Biol. Phys., Vol. 24, 1992; pp. 583-591
	CJJ	Singh, B., <i>Critical aspects of bacterial protein toxins</i> , Chapter 4, Natural Toxins II, Plenum Press (1996) pp. 63-84
✓	CKK	Sloop, R., et al., <i>Reconstituted botulinum toxin type A does not lose potency in humans if it is refrozen or refrigerated for 2 weeks before use</i> . Neurology 1997;48:249-253

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ATTY. DOCKET: 17500 (BOT)	SERIAL NO.: 10/143,078 TECH CENTER 1600/2900
APPLICANT: STEPHEN DONOVAN	TITLE: THERAPEUTIC TREATMENTS FOR NEUROPSYCHIATRIC DISORDERS
FILING DATE: May 10, 2002	GROUP: 1614 <i>1645</i>

<i>JS</i>	CLL	Tandon, R., et al., <i>The cholinergic system in schizophrenia reconsidered: anticholinergic modulation of sleep and symptom profiles</i> , Neuropsychopharmacology 1999, Vol. 21, No. S6 pp. S189-S202
	CMM	Teipel, S.J., et al., <i>In Vivo neuroreceptor imaging and applications for alzheimer's disease</i> , Drug News Perspect 12(6) July 1999, pp. 341-350
	CNN	White, K.E., et al., <i>Schizophrenia and Alzheimer's Disease: clinical and pathophysiologic analogies</i> , Comprehensive Psychiatry, Vol. 37, No. 3 (May/June) 1996, pp 188-195
	COO	Weigand, H., et al., <i>I-Labelled Botulinum A Neurotoxin: pharmacokinetics in cats after intramuscular injection</i> , Naunyn-Schmiedeberg's Arc. Pharmacol. 292, 161-165 (1976).

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U.S. PATENT DOCUMENTS

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	BA	DE10150415A1		Germany			Yes First and last page
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CA	Cereda, E., et al., Medicinal chemistry of muscarinic agonists for the treatment of dementia disorders; <i>Eur J Drug Metab Pharmacokinet</i> ; 1994;(3): 179-183
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CA	Cosgrove, G. Rees, et al., <i>Cingulotomy in Psychosurgery</i> , Chpt. 203, pp. 1965-1979; Stereotactic and Functional Neurosurgery, 1998, P. L. Gildenberg, Ed., McGraw-Hill Pub.
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CC	Kim, C.H., et al., <i>Anterior cingulotomy for refractory obsessive-compulsive disorder</i> , Acta Psychiatr Scand. 2003 Apr; 107(4):283-90
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Application/Control No.
10/143,078

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Donovan

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Art Unit
1645

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A	6,290,961	9/2001	Aoki et al	424	184.1
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C	6,458,365	10/2002	Aoki et al	424	239.1
D	5,562,907	10/1996	Arnon	424	236.1
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	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U ✓	Velickovic, M et al, Drugs (New Zealand) 2001, Vol. 61(13), pages 1921-1943.
V ✓	Jimenez-Jimenez FJ et al, Drugs (New Zealand) 2001, Vol. 61(15), pages 2207-2220..
W ~	Egan, MF et al, Schizophrenia bulletin, 1997, Vol. 23(4), pages 583-609.
X	Auchus, Alexander P et al, Neurology, Vol. 45 (2), February 1995, page 393.

¹ A copy of this reference is not being furnished with this Office action. See MPEP § 707.08(a).

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10/143,078

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Donovan

Examiner
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Art Unit
1645

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V	Low, Phillip A, Current opinion in neurology, Vol.1 5(5), pages 605-609, October 2002.
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X ✓	Kurata, K et al, Japanese Journal of Psychiatry and neurology, March 1993, Vol. 47(1), pages 115-119 (abstract only).

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ATTY. DOCKET: 17500 (BOT)	SERIAL NO.: 10/143,078
APPLICANT: STEPHEN DONOVAN	TITLE: THERAPEUTIC TREATMENTS FOR NEUROPSYCHIATRIC DISORDERS
FILING DATE: May 10, 2002	GROUP: 1645



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	BB						
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